

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069964.D
 Acq On : 10 Dec 2021 17:41
 Operator : JC/MD
 Sample : M4969-03DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

Quant Time: Dec 11 05:21:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

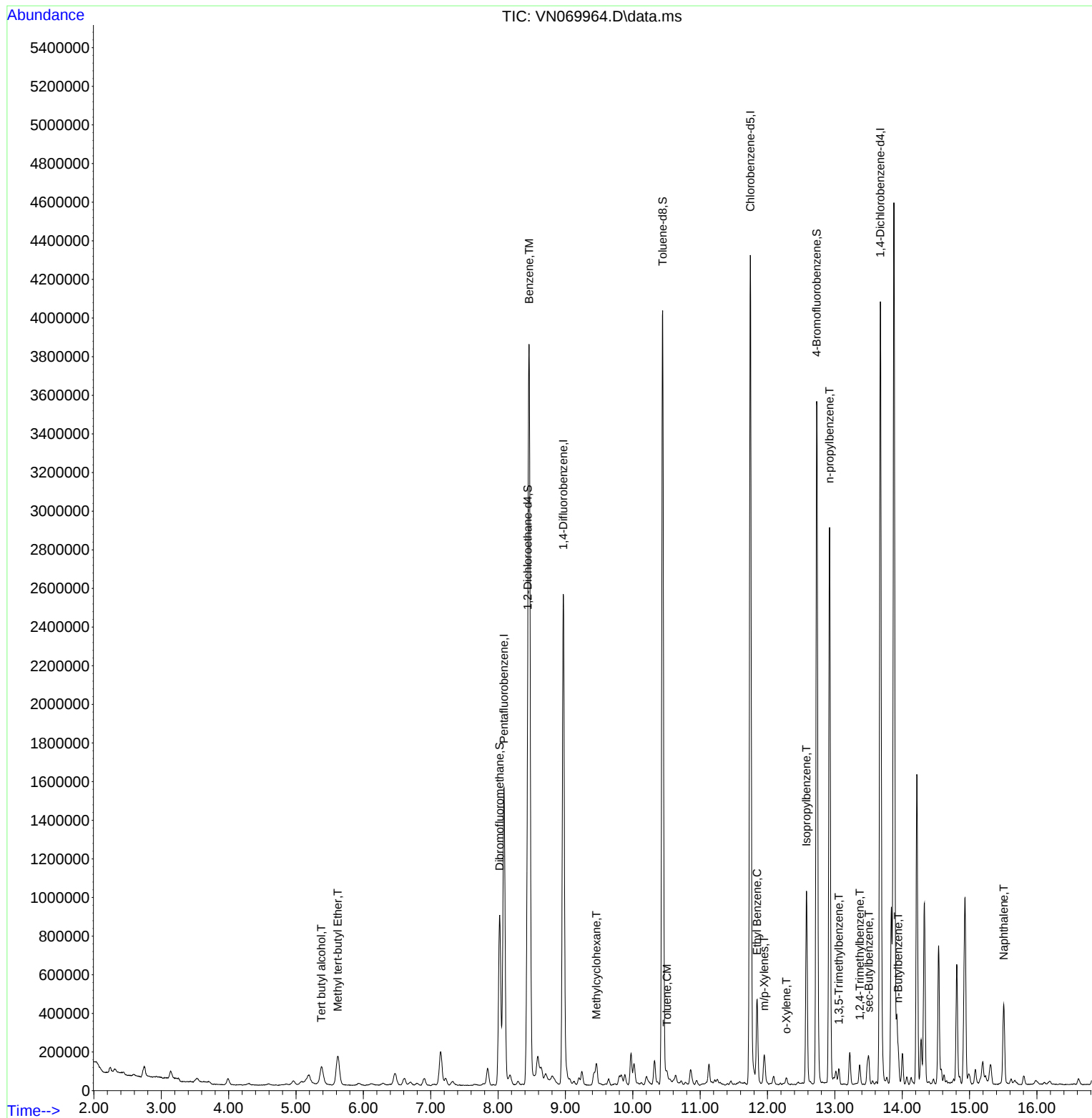
Internal Standards						
1) Pentafluorobenzene	8.088	168	1082903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2051217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2358828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1049730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	872951	52.210	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.420%	
35) Dibromofluoromethane	8.024	113	641498	49.928	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.860%	
50) Toluene-d8	10.443	98	2727000	52.859	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.720%	
62) 4-Bromofluorobenzene	12.731	95	1215211	65.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 130.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.377	59	175710	55.596	ug/l	98
19) Methyl tert-butyl Ether	5.621	73	200287	4.994	ug/l #	75
39) Methylcyclohexane	9.461	83	42277	1.820	ug/l #	86
40) Benzene	8.461	78	3444153	57.704	ug/l	99
52) Toluene	10.507	92	19933	0.547	ug/l	98
67) Ethyl Benzene	11.846	91	300363	3.455	ug/l	96
68) m/p-Xylenes	11.950	106	47199	1.491	ug/l	90
69) o-Xylene	12.280	106	8526	0.267	ug/l	92
73) Isopropylbenzene	12.578	105	644303	6.899	ug/l	97
78) n-propylbenzene	12.921	91	2306112	22.189	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	34558	0.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	55336	0.773	ug/l	95
85) sec-Butylbenzene	13.503	105	85910	0.952	ug/l #	71
89) n-Butylbenzene	13.940	91	82702	1.445	ug/l #	61
95) Naphthalene	15.507	128	376095	10.732	ug/l	99

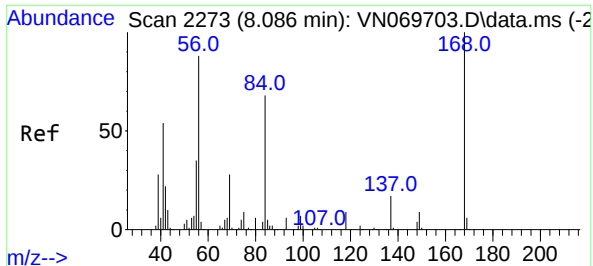
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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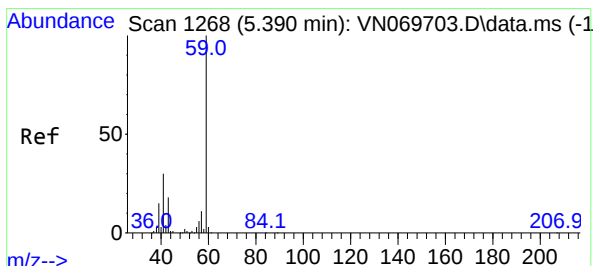
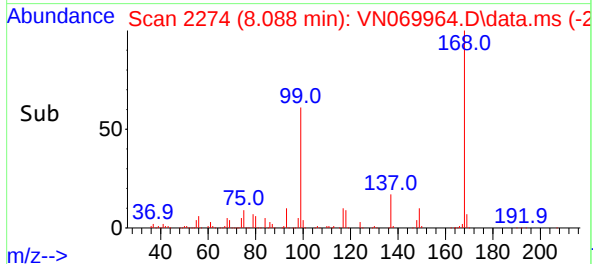
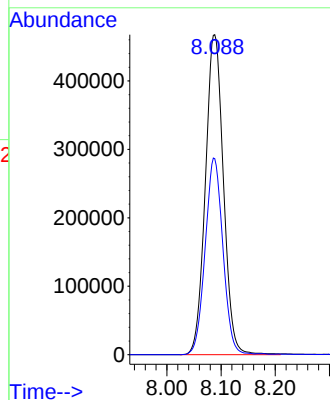
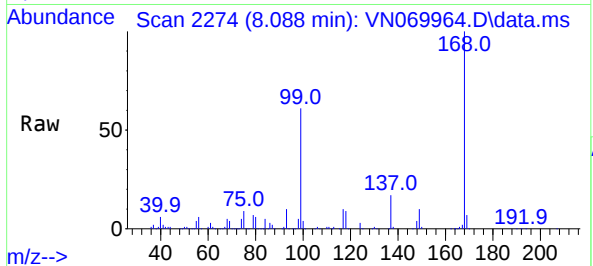




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

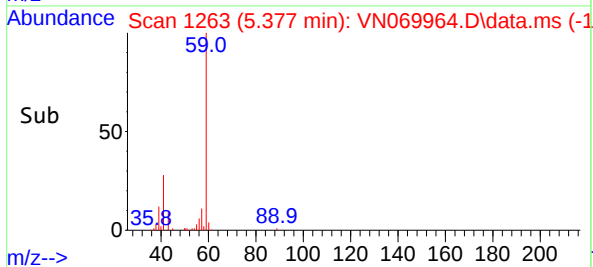
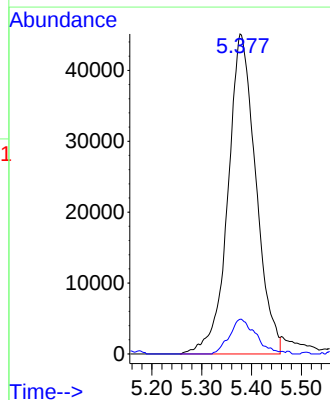
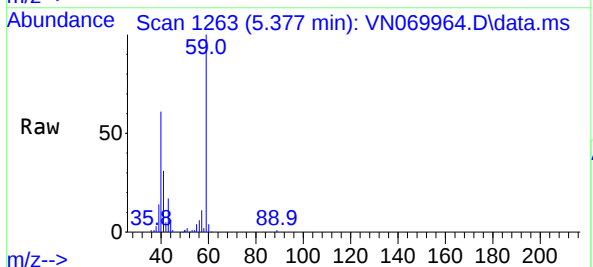
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

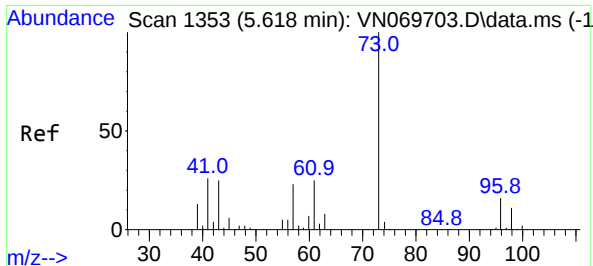
Tgt Ion:168 Resp: 1082903
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 55.596 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.013 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion: 59 Resp: 175710
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1





#19

Methyl tert-butyl Ether

Concen: 4.994 ug/l

RT: 5.621 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN069964.D

Acq: 10 Dec 2021 17:41

Instrument :

MSVOA_N

ClientSampleId :

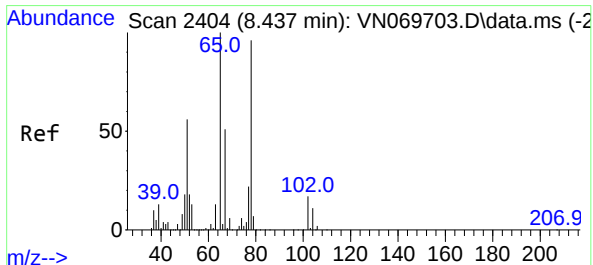
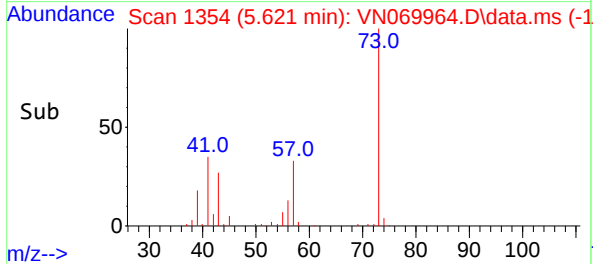
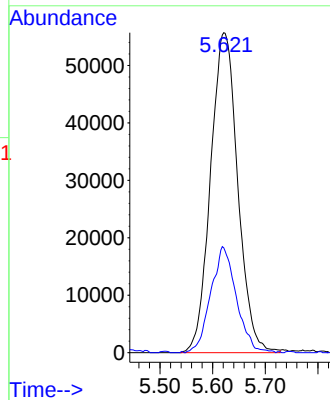
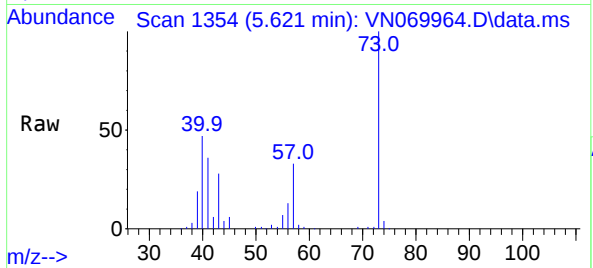
MW-1ADL

Tgt Ion: 73 Resp: 200287

Ion Ratio Lower Upper

73 100

57 32.8 16.8 25.2#



#33

1,2-Dichloroethane-d4

Concen: 52.210 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VN069964.D

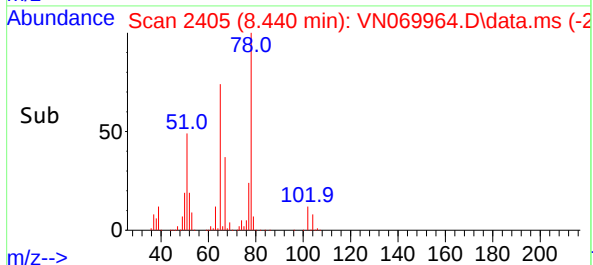
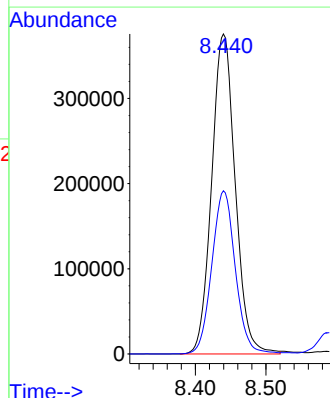
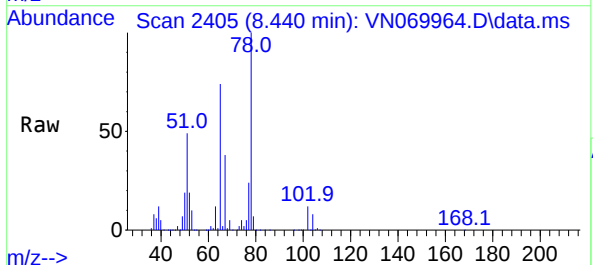
Acq: 10 Dec 2021 17:41

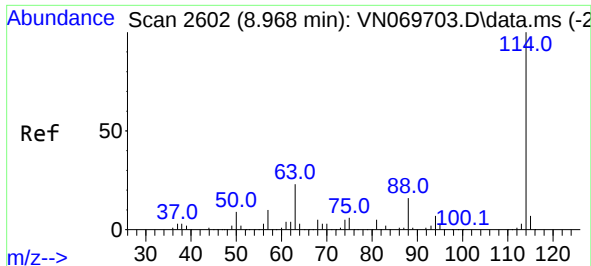
Tgt Ion: 65 Resp: 872951

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.000 min

Lab File: VN069964.D

Acq: 10 Dec 2021 17:41

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

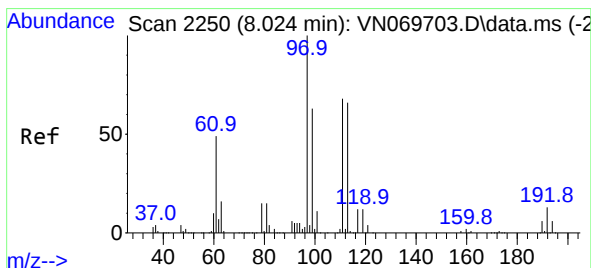
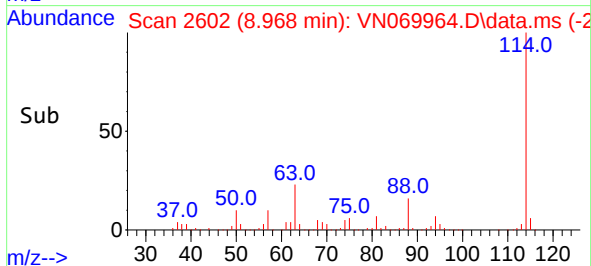
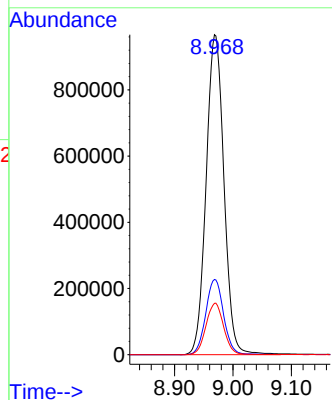
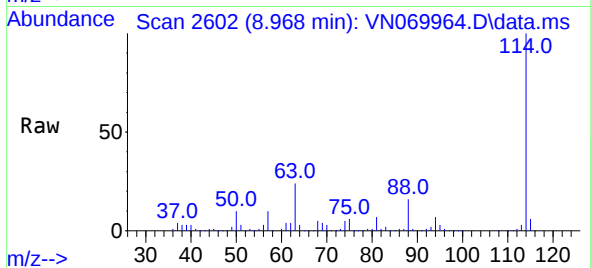
Tgt Ion:114 Resp: 2051217

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 16.1 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.928 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069964.D

Acq: 10 Dec 2021 17:41

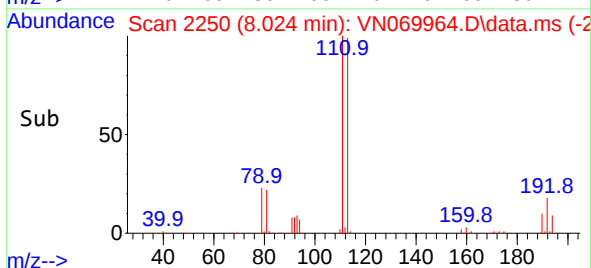
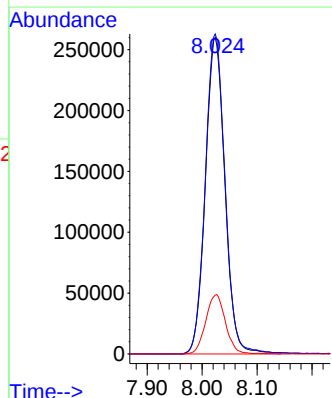
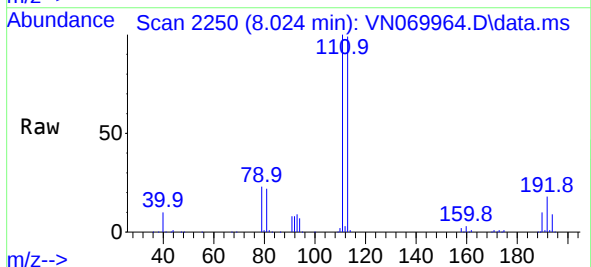
Tgt Ion:113 Resp: 641498

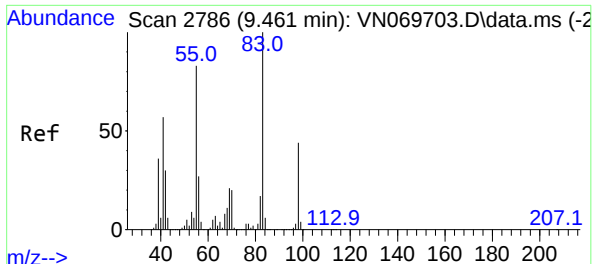
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

192 18.9 16.9 25.3





#39

Methylcyclohexane

Concen: 1.820 ug/l

RT: 9.461 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069964.D

Acq: 10 Dec 2021 17:41

Instrument :

MSVOA_N

ClientSampleId :

MW-1ADL

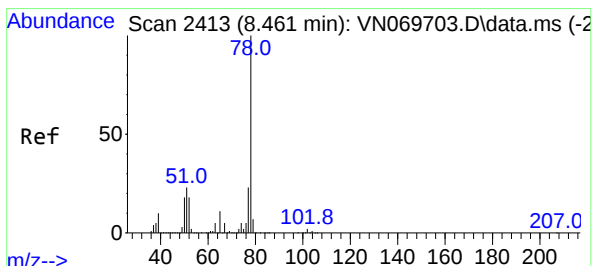
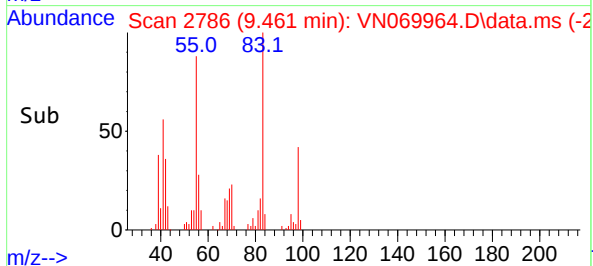
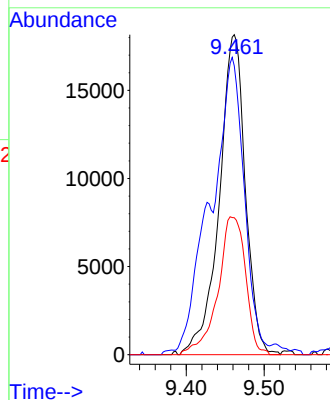
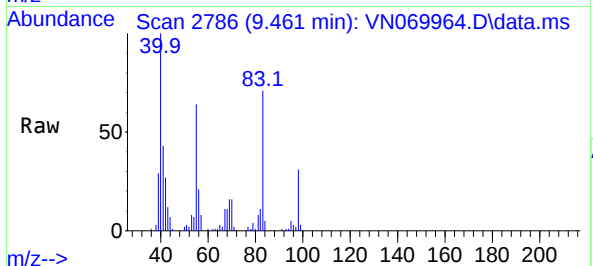
Tgt Ion: 83 Resp: 42277

Ion Ratio Lower Upper

83 100

55 87.8 58.1 87.1#

98 42.8 38.4 57.6



#40

Benzene

Concen: 57.704 ug/l

RT: 8.461 min Scan# 2413

Delta R.T. 0.000 min

Lab File: VN069964.D

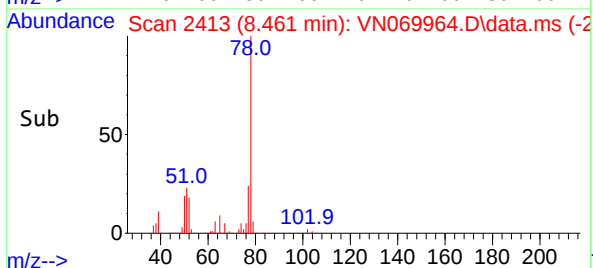
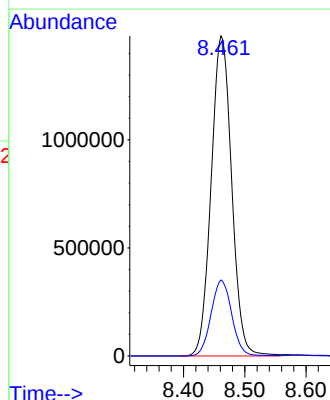
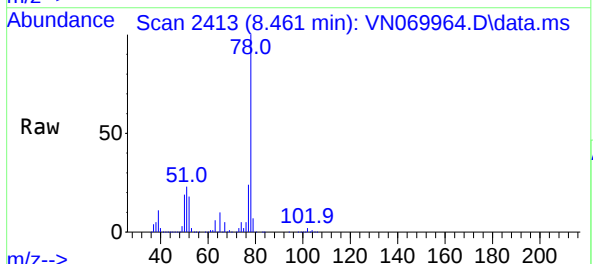
Acq: 10 Dec 2021 17:41

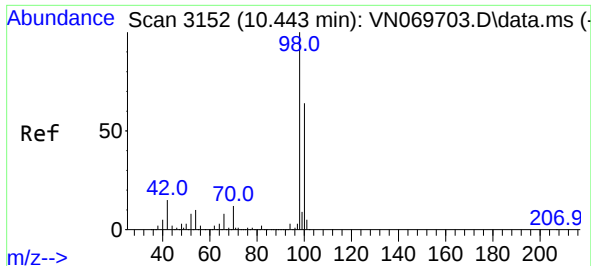
Tgt Ion: 78 Resp: 3444153

Ion Ratio Lower Upper

78 100

77 23.8 18.6 27.8

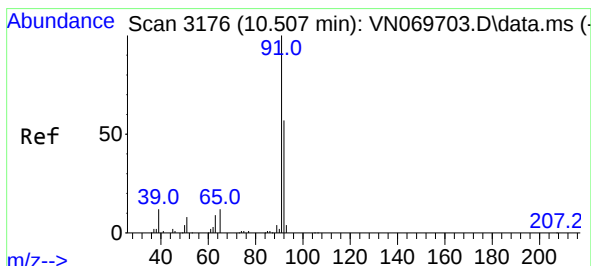
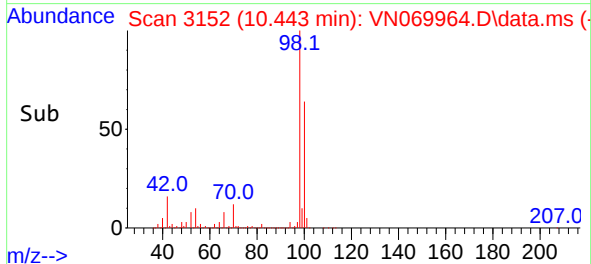
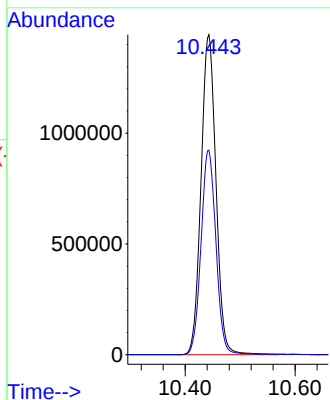
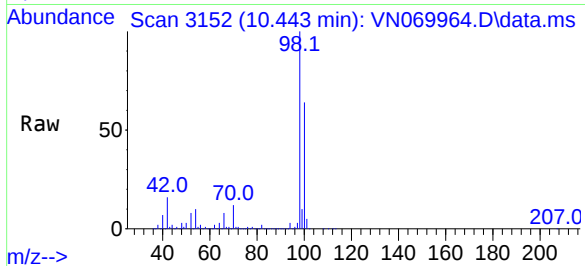




#50
Toluene-d8
Concen: 52.859 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

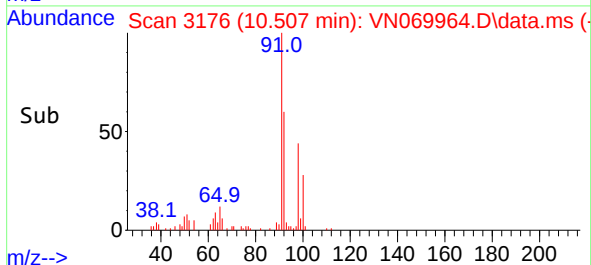
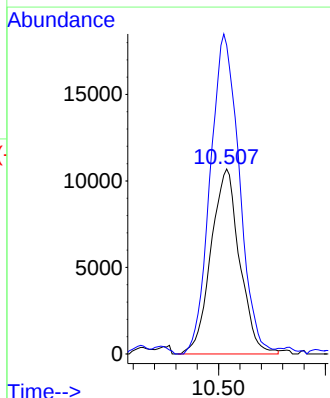
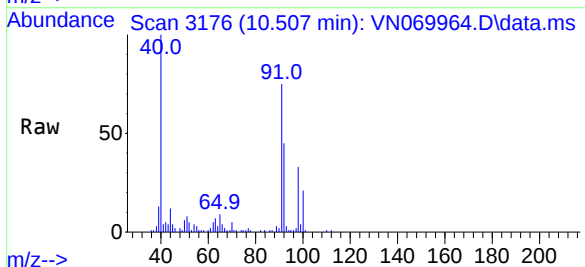
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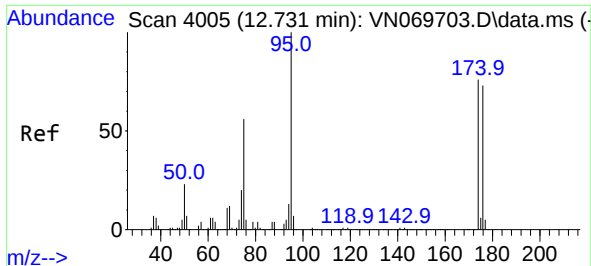
Tgt Ion: 98 Resp: 2727000
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#52
Toluene
Concen: 0.547 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion: 92 Resp: 19933
Ion Ratio Lower Upper
92 100
91 175.2 142.0 213.0

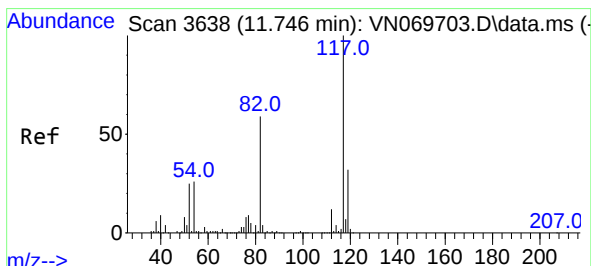
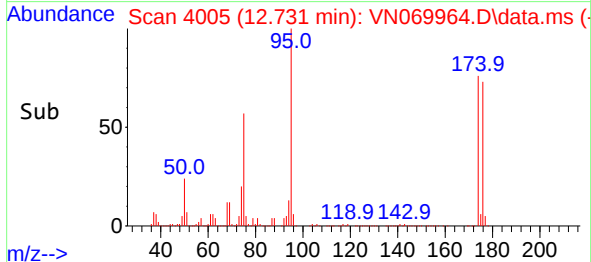
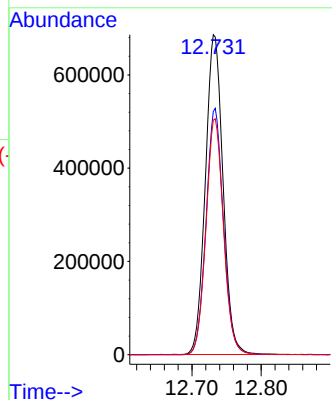
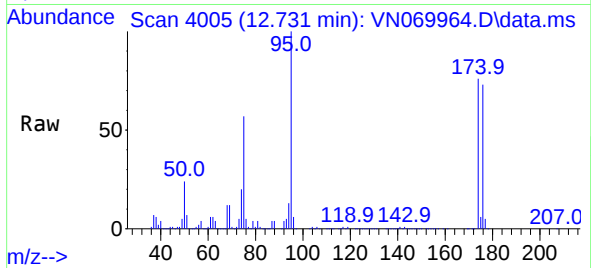




#62
4-Bromofluorobenzene
Concen: 65.019 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

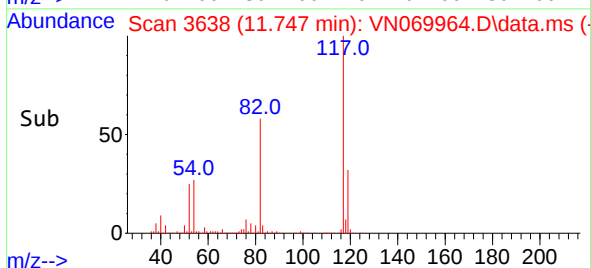
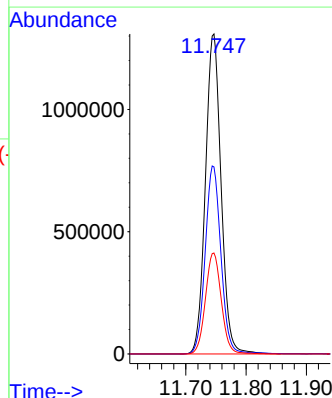
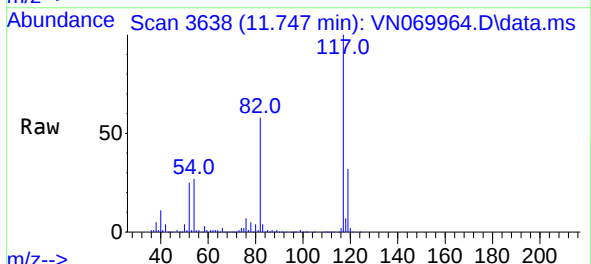
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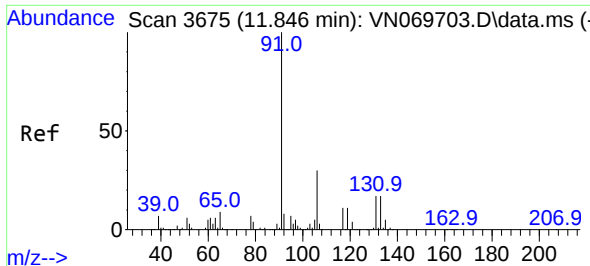
Tgt Ion: 95 Resp: 1215211
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion: 117 Resp: 2358828
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 31.5 25.4 38.2

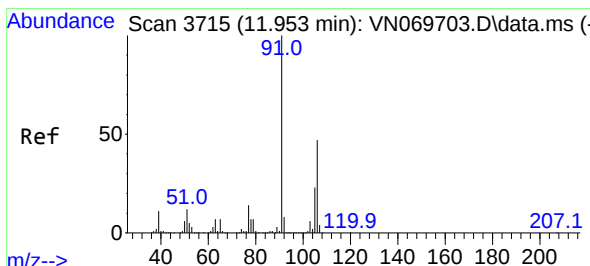
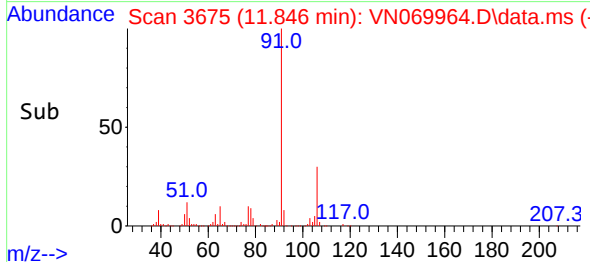
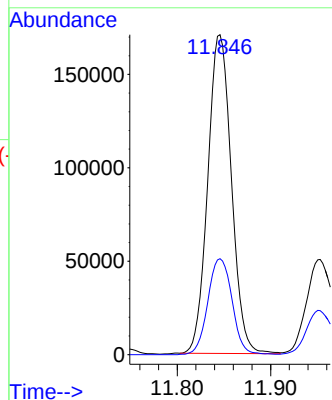
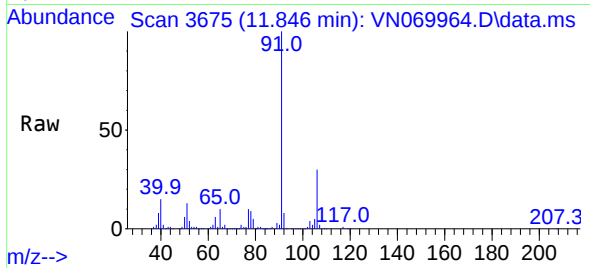




#67
Ethyl Benzene
Concen: 3.455 ug/l
RT: 11.846 min Scan# 307
Delta R.T. 0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

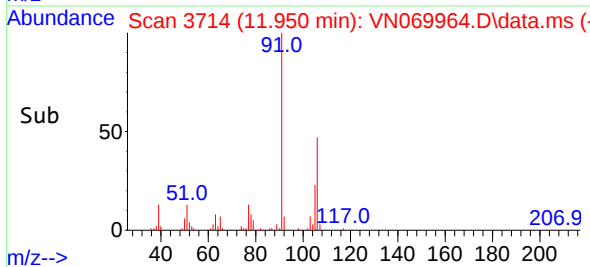
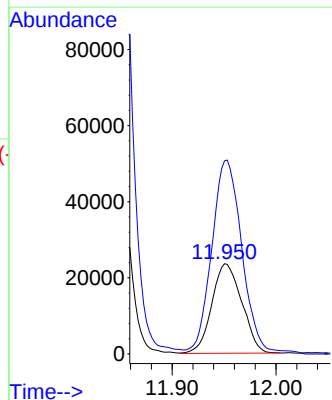
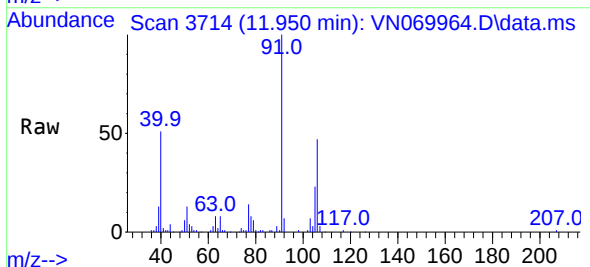
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

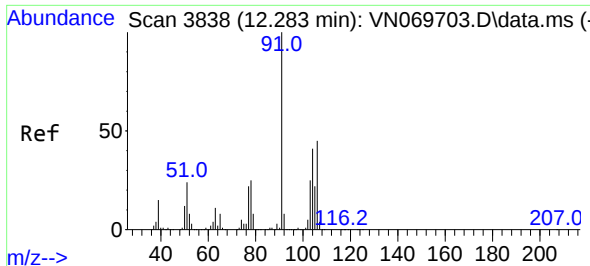
Tgt Ion: 91 Resp: 300363
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5



#68
m/p-Xylenes
Concen: 1.491 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion: 106 Resp: 47199
Ion Ratio Lower Upper
106 100
91 215.8 160.6 240.8

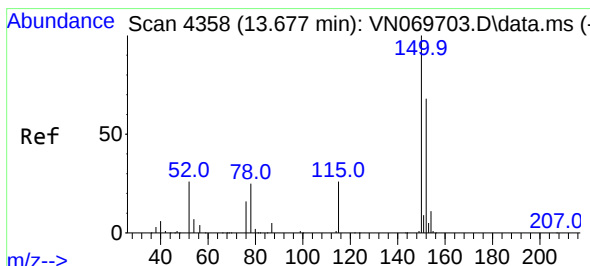
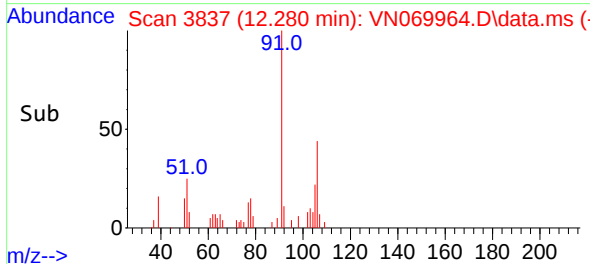
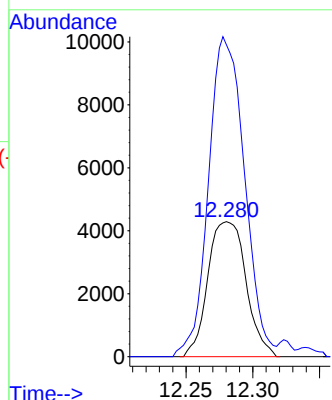
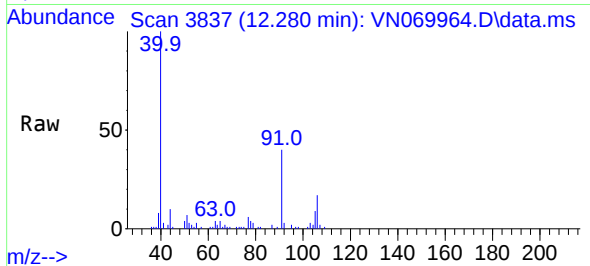




#69
o-Xylene
Concen: 0.267 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

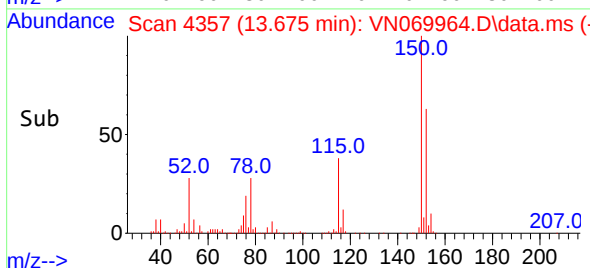
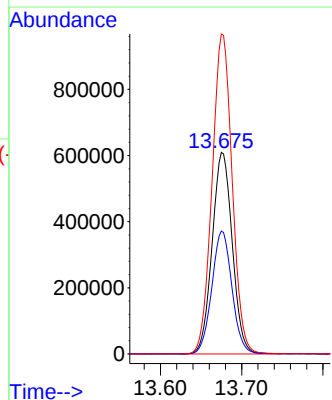
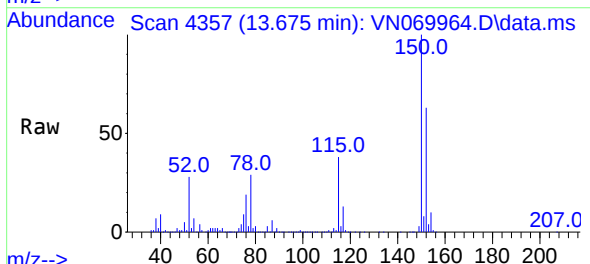
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

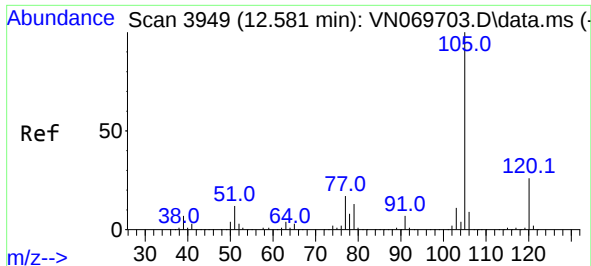
Tgt Ion:106 Resp: 8526
Ion Ratio Lower Upper
106 100
91 223.8 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion:152 Resp: 1049730
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.2 0.0 344.4

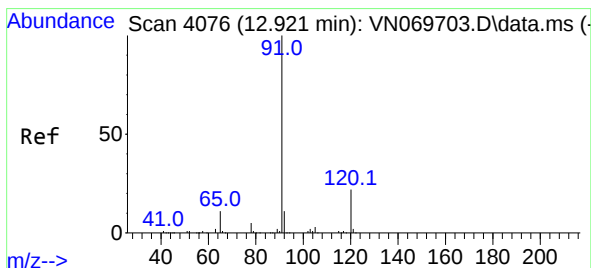
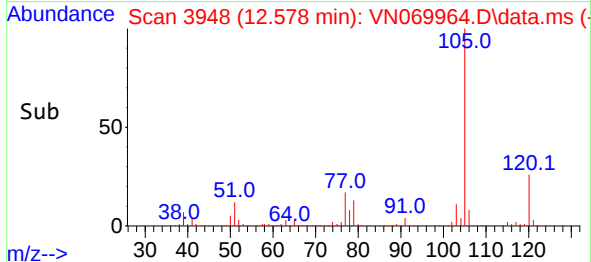
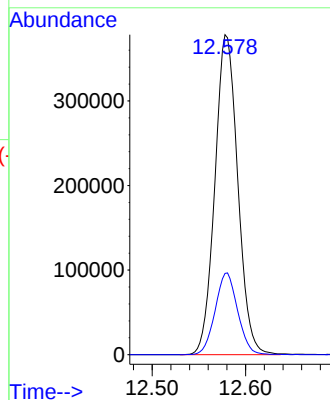
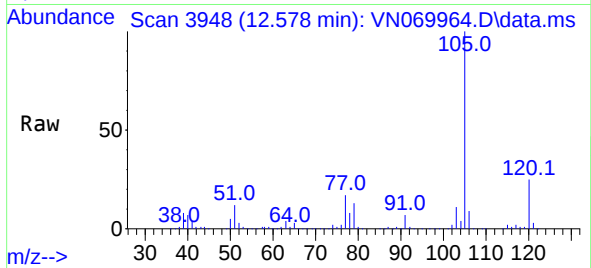




#73
Isopropylbenzene
Concen: 6.899 ug/l
RT: 12.578 min Scan# 3949
Delta R.T. -0.003 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

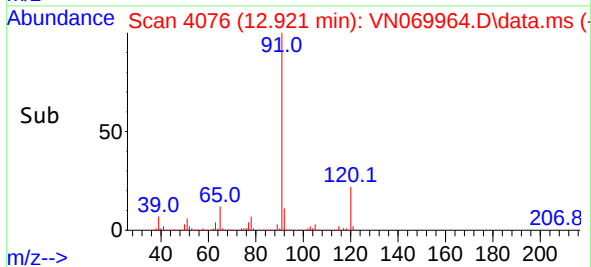
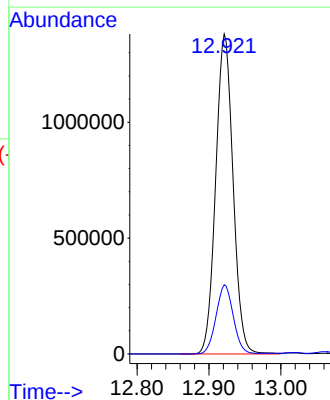
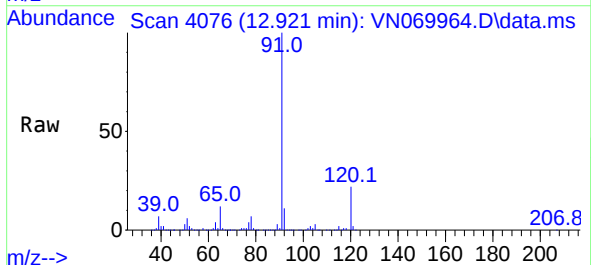
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

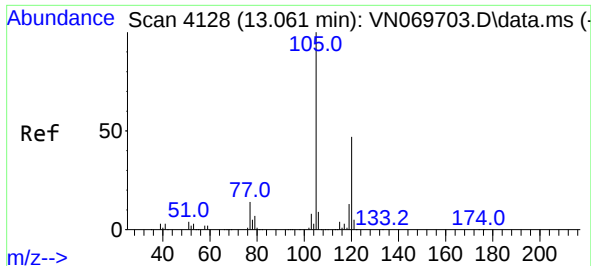
Tgt Ion:105 Resp: 644303
Ion Ratio Lower Upper
105 100
120 25.1 13.4 40.1



#78
n-propylbenzene
Concen: 22.189 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion: 91 Resp: 2306112
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9

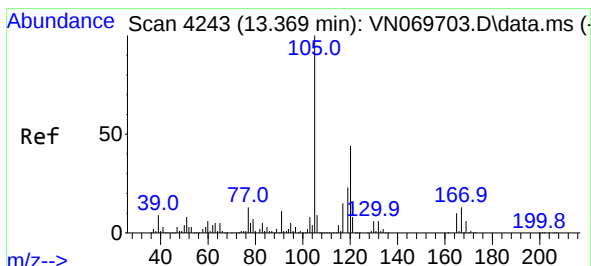
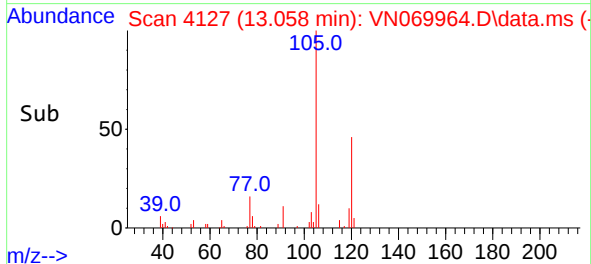
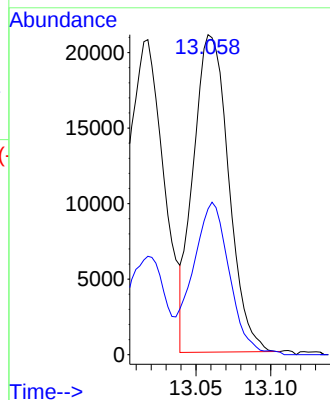
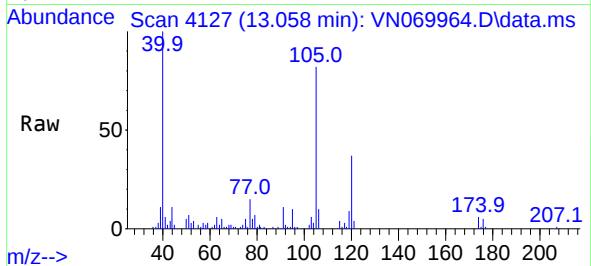




#80
1,3,5-Trimethylbenzene
Concen: 0.460 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.003 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

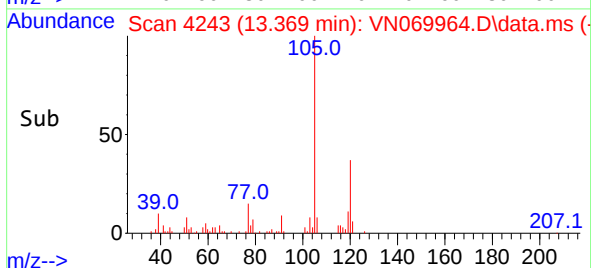
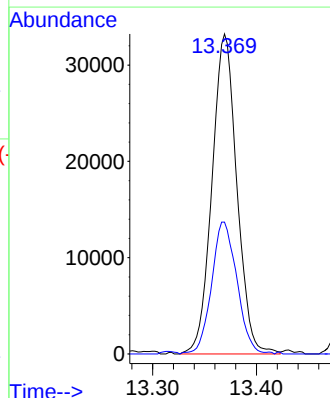
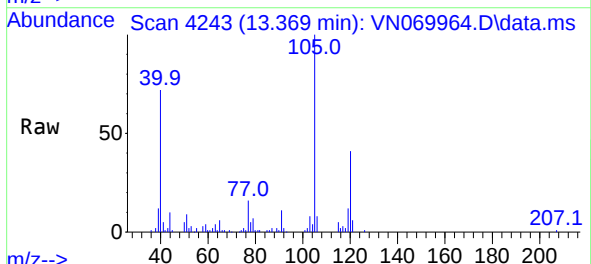
Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL

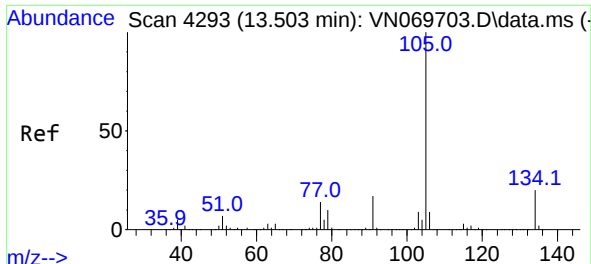
Tgt Ion:105 Resp: 34558
Ion Ratio Lower Upper
105 100
120 49.5 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 0.773 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Tgt Ion:105 Resp: 55336
Ion Ratio Lower Upper
105 100
120 42.0 22.8 68.4

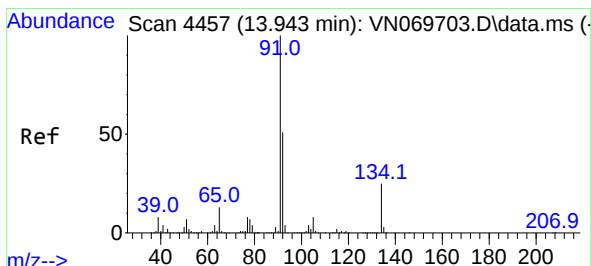
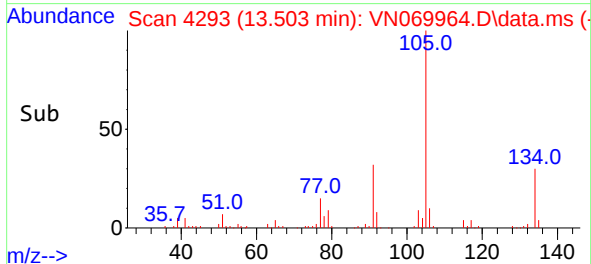
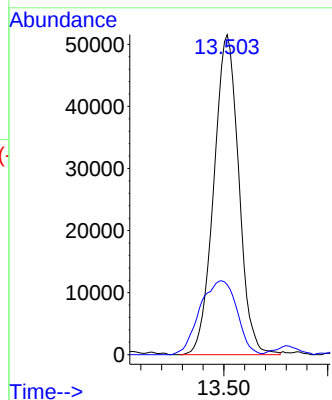
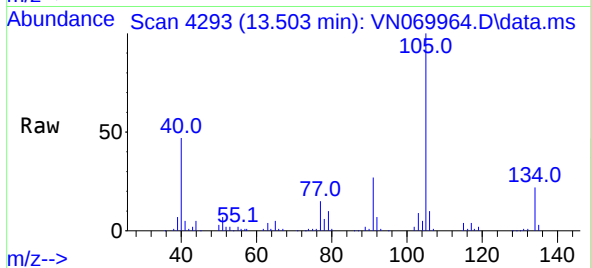




#85
 sec-Butylbenzene
 Concen: 0.952 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069964.D
 Acq: 10 Dec 2021 17:41

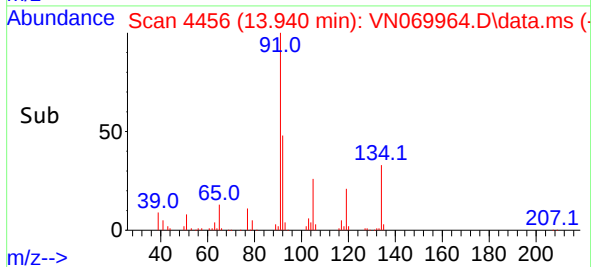
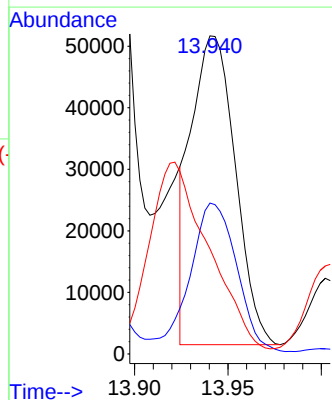
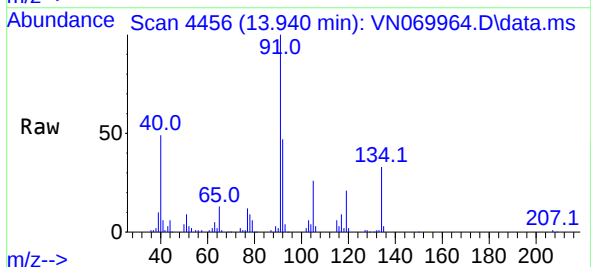
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1ADL

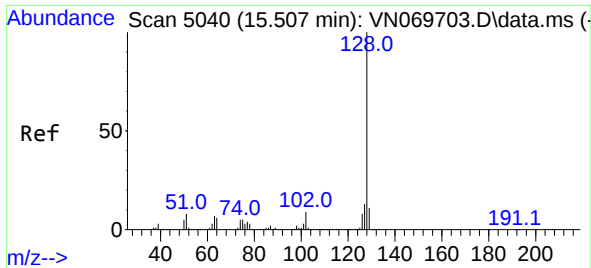
Tgt Ion:105 Resp: 85910
 Ion Ratio Lower Upper
 105 100
 134 34.2 10.4 31.1#



#89
 n-Butylbenzene
 Concen: 1.445 ug/l
 RT: 13.940 min Scan# 4456
 Delta R.T. -0.003 min
 Lab File: VN069964.D
 Acq: 10 Dec 2021 17:41

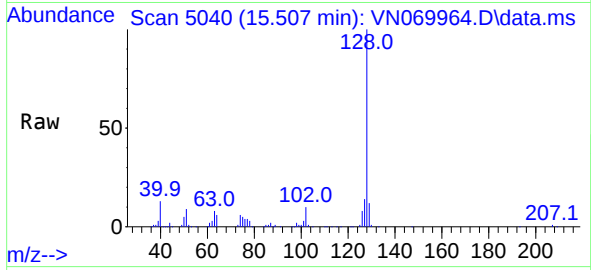
Tgt Ion: 91 Resp: 82702
 Ion Ratio Lower Upper
 91 100
 92 52.5 25.4 76.0
 134 83.1 13.6 40.8#





#95
Naphthalene
Concen: 10.732 ug/l
RT: 15.507 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN069964.D
Acq: 10 Dec 2021 17:41

Instrument :
MSVOA_N
ClientSampleId :
MW-1ADL



Tgt Ion:128 Resp: 376095

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.0	8.7	13.1

